PLO Assessment

Acad Program - Chemical Laboratory Technology (AAS)

Laboratory Performance.

Program Learning Outcome: Perform basic chemical statistical analysis in a chemical lab setting. Assessed at the AAS level - Chemical Laboratory Technology.
Outcome Status: Active
Assessment Years: 2024 - 2025, 2023 - 2024

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Final Exam Grade **Assessment Method:** The assessment method will be the final exam results in CLTE 2100. **Benchmark:** Average overall grade result for the student population successfully completing the course during the 2023-2024 academic year will be 80% or greater.	**Assessment Result Date**: 05/26/2025 **Assessment Result**: 83% **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met **Analysis**: Students are meeting the PLO objective. **How did the previous cycle's improvement plan impact the data above?**: The previous plan was predicted on finding and hiring a Dean of Industrial Technology. This position was filled on April 28, 2025.

Assessment Method	Assessment Result
	Improvement Plan: To address gaps in the Program Learning Outcome (PLO) assessment, the following process will be implemented immediately. These gaps in PLO and Student Learning Outcome (SLO) assessments have resulted from prolonged vacancies in leadership positions within the department. The process will commence in September 2024, when faculty availability aligns with the implementation of these measures. It should be noted that the institution does not disaggregate data based on modality or campus. 1. Dean and Program Coordinator Meeting with Faculty: a. Identify appropriate assessments for each PLO and SLO. b. Ensure that each assessment is assigned to the instructors responsible for the relevant courses. c. Determine where in CANVAS the assessment can be accessed as an artifact. 2. Meeting with the Advisory Committee: a. Evaluate whether the current assessments, PLOs, and SLOs align with the objectives of the Advisory Committee. b. Modify assessments, PLOs, or SLOs as necessary based on feedback. c. Communicate and implement any recommended changes with faculty. d. Provide a follow-up report to the Advisory Committee once changes have been enacted. 3. End of Semester Activities: a. The Dean will collect assessment evidence and relevant data from CANVAS. b. The Dean will collaborate with the Program Coordinator to identify potential areas for improvement based on the collected data. c. The Dean and Program Coordinator will work closely with faculty to develop a strategy aimed at enhancing learning outcomes. d. Document the strategy in the Improvement Plan. e. Execute the strategy as outlined. 4. Documentation of the Process: a. Record meeting minutes. b. Archive assessment artifacts. c. Conduct and document data analysis. **Related Documents**: 2025-05-26T1559_Grades-CLTE-2100-01.csv

Laboratory Softskills.

Program Learning Outcome: Demonstrate basic soft skills related to gaining and maintaining employment such as: time management, appropriate work attire, working as a team, and effective communication. Assessed at the AAS level - Chemical Laboratory Technology.
Outcome Status: Active
Assessment Years: 2024 - 2025, 2023 - 2024

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Final Exam Grade **Assessment Method:** The assessment method will be the final exam results in both CLTE 2002 and CLTE 2102. **Benchmark:** Average overall grade result for the student population successfully completing the course during the 2023-2024 academic year will be 80% or greater.	**Assessment Result Date**: 05/26/2025 **Assessment Result**: 82% **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met **Analysis**: Students are achieving the PLO objective. Results are regressing. **How did the previous cycle's improvement plan impact the data above?**: The previous plan was predicted on finding and hiring a Dean of Industrial Technology. This position was filled on April 28, 2025.

Assessment Method	Assessment Result
	Improvement Plan: 1. Dean and Program Coordinator Meeting with Faculty: a. Identify appropriate assessments for each PLO and SLO. b. Ensure that each assessment is assigned to the instructors responsible for the relevant courses. c. Determine where in CANVAS the assessment can be accessed as an artifact. 2. Meeting with the Advisory Committee: a. Evaluate whether the current assessments, PLOs, and SLOs align with the objectives of the Advisory Committee. b. Modify assessments, PLOs, or SLOs as necessary based on feedback. c. Communicate and implement any recommended changes with faculty. d. Provide a follow-up report to the Advisory Committee once changes have been enacted. 3. End of Semester Activities: a. The Dean will collect assessment evidence and relevant data from CANVAS. b. The Dean will collaborate with the Program Coordinator to identify potential areas for improvement based on the collected data. c. The Dean and Program Coordinator will work closely with faculty to develop a strategy aimed at enhancing learning outcomes. d. Document the strategy in the Improvement Plan. e. Execute the strategy as outlined. 4. Documentation of the Process: a. Record meeting minutes. b. Archive assessment artifacts. c. Conduct and document data analysis. **Related Documents**: 2025-05-26T1620_Grades-CLTE-2002-01.csv; 2025-05-26T1622_Grades-CLTE-2102-01.csv

Laboratory Safety.

Program Learning Outcome: Demonstrate a basic knowledge of industrial and environmental safety. Assessed at the AAS level - Chemical Laboratory Technology.
Outcome Status: Active
Assessment Years: 2024 - 2025, 2023 - 2024

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Final Exam Grade **Assessment Method:** The assessment method will be the final exam results in CLTE 1000. **Benchmark:** Average overall grade result for the student population successfully completing the course during the 2023-2024 academic year will be 80% or greater.	**Assessment Result Date**: 05/26/2025 **Assessment Result**: 85% **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met **Analysis**: Students are achieving the PLO objective. **How did the previous cycle's improvement plan impact the data above?**: The previous plan was predicted on finding and hiring a Dean of Industrial Technology. This position was filled on April 28, 2025. **Improvement Plan**: 1. Dean and Program Coordinator Meeting with Faculty: a. Identify appropriate assessments for each PLO and SLO. b. Ensure that each assessment is assigned to the instructors responsible for the relevant courses. c. Determine where in CANVAS the assessment can be accessed as an artifact. 2. Meeting with the Advisory Committee: a. Evaluate whether the current assessments, PLOs, and SLOs align with the objectives of the Advisory Committee. b. Modify assessments, PLOs, or SLOs as necessary based on feedback. c. Communicate and implement any recommended changes with faculty. d. Provide a follow-up report to the Advisory Committee once changes have been enacted. 3. End of Semester Activities: a. The Dean will collect assessment evidence and relevant data from CANVAS. b. The Dean will collaborate with the Program Coordinator to identify potential areas for improvement based on the collected data. c. The Dean and Program Coordinator will work closely with faculty to develop a strategy aimed at enhancing learning outcomes. d. Document the strategy in the Improvement Plan. e. Execute the strategy as outlined. 4. Documentation of the Process: a. Record meeting minutes. b. Archive assessment artifacts. c. Conduct and document data analysis. **Related Documents**:

Assessment Method	Assessment Result
	2025-05-26T1634_Grades-CLTE-1000-01.csv

Database Analysis.

Program Learning Outcome: Display and analyze database information. Assessed at the AAS level - Chemical Laboratory Technology.
Outcome Status: Active
Assessment Years: 2024 - 2025, 2023 - 2024

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Final Exam Grade **Assessment Method:** The assessment method will be the final exam results in CLTE 2102. **Benchmark:** Average overall grade result for the student population successfully completing the course during the 2023-2024 academic year will be 80% or greater.	**Assessment Result Date**: 05/26/2025 **Assessment Result**: 85% **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met **Analysis**: Students are meeting this PLO objective. **How did the previous cycle's improvement plan impact the data above?**: The previous plan was predicted on finding and hiring a Dean of Industrial Technology. This position was filled on April 28, 2025.

Assessment Method	Assessment Result
	Improvement Plan: 1. Dean and Program Coordinator Meeting with Faculty: a. Identify appropriate assessments for each PLO and SLO. b. Ensure that each assessment is assigned to the instructors responsible for the relevant courses. c. Determine where in CANVAS the assessment can be accessed as an artifact. 2. Meeting with the Advisory Committee: a. Evaluate whether the current assessments, PLOs, and SLOs align with the objectives of the Advisory Committee. b. Modify assessments, PLOs, or SLOs as necessary based on feedback. c. Communicate and implement any recommended changes with faculty. d. Provide a follow-up report to the Advisory Committee once changes have been enacted. 3. End of Semester Activities: a. The Dean will collect assessment evidence and relevant data from CANVAS. b. The Dean will collaborate with the Program Coordinator to identify potential areas for improvement based on the collected data. c. The Dean and Program Coordinator will work closely with faculty to develop a strategy aimed at enhancing learning outcomes. d. Document the strategy in the Improvement Plan. e. Execute the strategy as outlined. 4. Documentation of the Process: a. Record meeting minutes. b. Archive assessment artifacts. c. Conduct and document data analysis. **Related Documents**: 2025-05-26T1622_Grades-CLTE-2102-01.csv